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03/20/01  
JCS  
U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 500.39908x00

First Inventor or Application Identifier Katsuyuki OKEYA

Title See 1 in Addendum

Express Mail Label No. \_\_\_\_\_

1C971U.S. P10  
03/20/01**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Specification [Total Pages 64]
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3.  Drawing(s) (35 U.S.C. 113) [Total Sheets 28]
4. Oath or Declaration [Total Pages 3]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 16 completed)
    - i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\* NOTE FOR ITEMS 1 & 13 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

5.  Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Copy
  - b.  Paper Copy (identical to computer copy)
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7.  Assignment Papers (cover sheet & document(s))
8.  37 C.F.R. §3.73(b) Statement  Power of (when there is an assignee)  Attorney
9.  English Translation Document (if applicable)
10.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
11.  Preliminary Amendment
12.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
  - \* Small Entity Statement(s)  Statement filed in prior application (PTO/SB/09-12)
  13.  Status still proper and desired
  14.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
  15.  Other: Figs. 1-29  
Credit Card Payment Form

16. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS** Customer Number or Bar Code Label

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(Insert Customer No. or Attach bar code label here)

or  Correspondence address below

|         |           |          |     |
|---------|-----------|----------|-----|
| Name    |           |          |     |
| Address |           |          |     |
| City    | State     | Zip Code | Fax |
| Country | Telephone |          |     |

Name (Print/Type) Carl I. Brundidge

Registration No. (Attorney/Agent)

29,621

Signature

Date 03-20-01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

Attachment to PTO/SB/05 (4/98) Utility Patent Application  
Transmittal

- ## 1. METHOD OF CALCULATING MULTIPLICATION BY SCALARS ON AN ELLIPTIC CURVE AND APPARATUS USING SAME AND RECORDING MEDIUM

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# FEE TRANSMITTAL

## for FY 2000

Patent fees are subject to annual revision.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 CFR §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$1,960.00)

## Complete if Known

|                      |                 |
|----------------------|-----------------|
| Application Number   |                 |
| Filing Date          | March 20, 2001  |
| First Named Inventor | Katsuyuki OKEYA |
| Examiner Name        |                 |
| Group / Art Unit     |                 |
| Attorney Docket No.  | 500.39908x00    |

## METHOD OF PAYMENT (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.

Deposit Account Number 01-2135

Deposit Account Name Antonelli, Terry, Stout &amp; Kraus, LLP

 Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.172.  Payment Enclosed: Check     Money Order     Other

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105                        | 130                        | Surcharge - late filing fee or oath  | 0.00     |
| 127                        | 50                         | Surcharge - late provisional filing fee or cover sheet                     | 0.00     |
| 139                        | 130                        | Non-English specification  | 0.00     |
| 147                        | 2,520                      | For filing a request for reexamination                                     | 0.00     |
| 112                        | 920*                       | Requesting publication of SIR prior to Examiner action                     | 0.00     |
| 113                        | 1,840*                     | Requesting publication of SIR after Examiner action                        | 0.00     |
| 115                        | 110                        | Extension for reply within first month                                     | 0.00     |
| 116                        | 380                        | Extension for reply within second month                                    | 0.00     |
| 117                        | 870                        | Extension for reply within third month                                     | 0.00     |
| 118                        | 1,360                      | Extension for reply within fourth month                                    | 0.00     |
| 128                        | 1,850                      | Extension for reply within fifth month                                     | 0.00     |
| 119                        | 300                        | Notice of Appeal   | 0.00     |
| 120                        | 300                        | Filing a brief in support of an appeal                                     | 0.00     |
| 121                        | 280                        | Request for oral hearing   | 0.00     |
| 138                        | 1,510                      | Petition to institute a public use proceeding                              | 0.00     |
| 140                        | 110                        | Petition to revive - unavoidable   | 0.00     |
| 141                        | 1,210                      | Petition to revive - unintentional   | 0.00     |
| 142                        | 1,210                      | Utility issue fee (or reissue)   | 0.00     |
| 143                        | 430                        | Design issue fee   | 0.00     |
| 144                        | 580                        | Plant issue fee  | 0.00     |
| 122                        | 130                        | Petitions to the Commissioner  | 0.00     |
| 123                        | 50                         | Petitions related to provisional applications                              | 0.00     |
| 126                        | 240                        | Submission of Information Disclosure Stmt                                  | 0.00     |
| 581                        | 40                         | Recording each patent assignment per property (times number of properties) | 40.00    |
| 146                        | 690                        | Filing a submission after final rejection (37 CFR § 1.129(a))              | 0.00     |
| 149                        | 690                        | For each additional invention to be examined (37 CFR § 1.129(b))           | 0.00     |
| Other fee (specify) _____  |                            |  | 0.00     |
| Other fee (specify) _____  |                            |  | 0.00     |
| SUBTOTAL (3) (\$ 40.00)    |                            |  |          |

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

## SUBMITTED BY

Complete (if applicable)

|                   |                   |                                      |        |           |              |          |
|-------------------|-------------------|--------------------------------------|--------|-----------|--------------|----------|
| Name (Print/Type) | Carl L. Brundidge | Registration No.<br>(Attorney/Agent) | 29,621 | Telephone | 703-312-6600 |          |
| Signature         |                   |                                      |        |           | Date         | 03-20-01 |

## WARNING:

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